

REAL-TIME DELIVERY FEASIBILITY ANALYSIS SYSTEMS AND METHODS

ABSTRACT OF THE DISCLOSURE

Systems and methods for scheduling deliveries, in real time, to be made within one or more delivery time windows. For each requested delivery, the system dynamically determines whether to offer each time delivery window to the customer requesting the delivery based on whether: (1) it would be possible to complete, within the time window, both the requested delivery and all deliveries that were already scheduled to be made within the time window; and (2) it makes business sense to make the delivery within the particular time window. In determining whether it would make business sense to make the delivery within a particular time window, the system considers the cost of making the delivery, various attributes of the customer requesting the delivery, and the percentage of the delivery capacity associated with the delivery wave that has been reserved for previously scheduled deliveries.

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